

§Appl. No. 10/813,552
Amdt. dated September 30, 2005
Reply to Office Action of, June 1, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) An ~~inlet~~ suction inlet valve used with a pumper fire trucks, comprising:

a metal valve housing having a male body portion defining a first cavity and a female body portion defining a second cavity, the body portions being joined and the cavities forming a chamber and the female body having a bottom wall portion in which water pools;

a first metal coupling on the male body portion for coupling with a source of water and a second metal coupling on the female body member for coupling with a pumper booster tank on the fire truck;

a metal valve element in the first cavity, the valve element being seated against a valve seat adjacent to the first coupling;

a metal valve support with an axial hole therethrough for receiving the shank of the valve element, the valve support being disposed between the first and second cavities of the male and female bodies, the valve support having openings therethrough allowing water to flow freely from the first cavity to the second cavity, the valve support also having lateral hole therethrough;

a metal valve stem connected to the valve element and extending back through the first cavity and the axial hole in the valve support to the second cavity;

§Appl. No. 10/813,552
Amdt. dated September 30, 2005
Reply to Office Action of, June 1, 2005

a metal cam block in the female portion with a slot extending therein laterally with respect to the axis of the valve stem;

a metal valve operating shaft with an operating lever extending from outside the housing to the cam block, the valve operating shaft extending through the lateral hole in the female portion of the valve support and having a crank arm extending laterally therefrom in the female portion of the valve support with a projection thereon spaced from the axis of the valve operating shaft, the projection being received into the slot in the cam body, the valve operating shaft and lever transferring heat from metal components within the housing to the environment during cold weather; and

a water drain valve extending through the bottom wall portion of the female valve body and into the second cavity to drain water ~~away from the cam block~~ out of the housing to avoid ~~frozen water from~~ clogging the slot in the cam block with frozen water, which clogging prevents and preventing operation of the suction inlet valve, and

a valved air vent outlet disposed on the male body portion and connected by a bore through the male body portion to the first coupling at a location in front of the valve element, the valved air vent outlet being located at the bottom of the male body portion directly adjacent to the water drain valve mounted through the female body portion.

Claim 2 (Cancelled)

§Appl. No. 10/813,552
Amdt. dated September 30, 2005
Reply to Office Action of, June 1, 2005

Claim 3 (Cancelled)

Claim 4 (Cancelled)

Claim 5 (Cancelled)

Claim 6 (Currently Amended) The suction inlet valve of claim 1 ~~5~~, wherein lubricant is disposed around the valve stem and operating shaft.

Claim 7 (Cancelled)

Claim 8 (Cancelled)

Claim 9 (Cancelled)

Claim 10 (Currently Amended) The ~~inlet~~ suction inlet valve of claim ~~2~~ 1 wherein the operating handle is a metal lever.